

**Fig. 1**

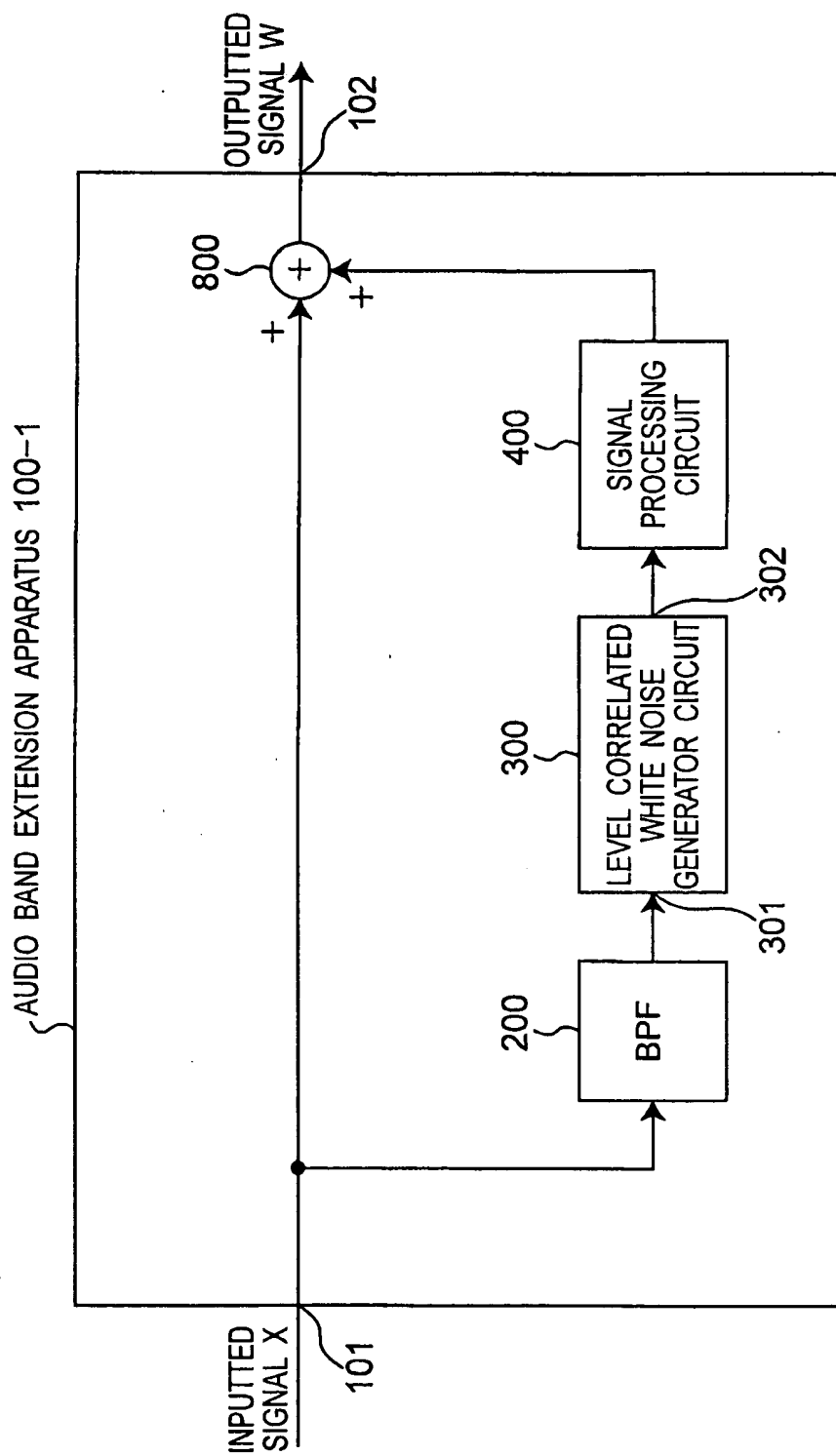


Fig.2

## AUDIO BAND EXTENSION APPARATUS 100-2

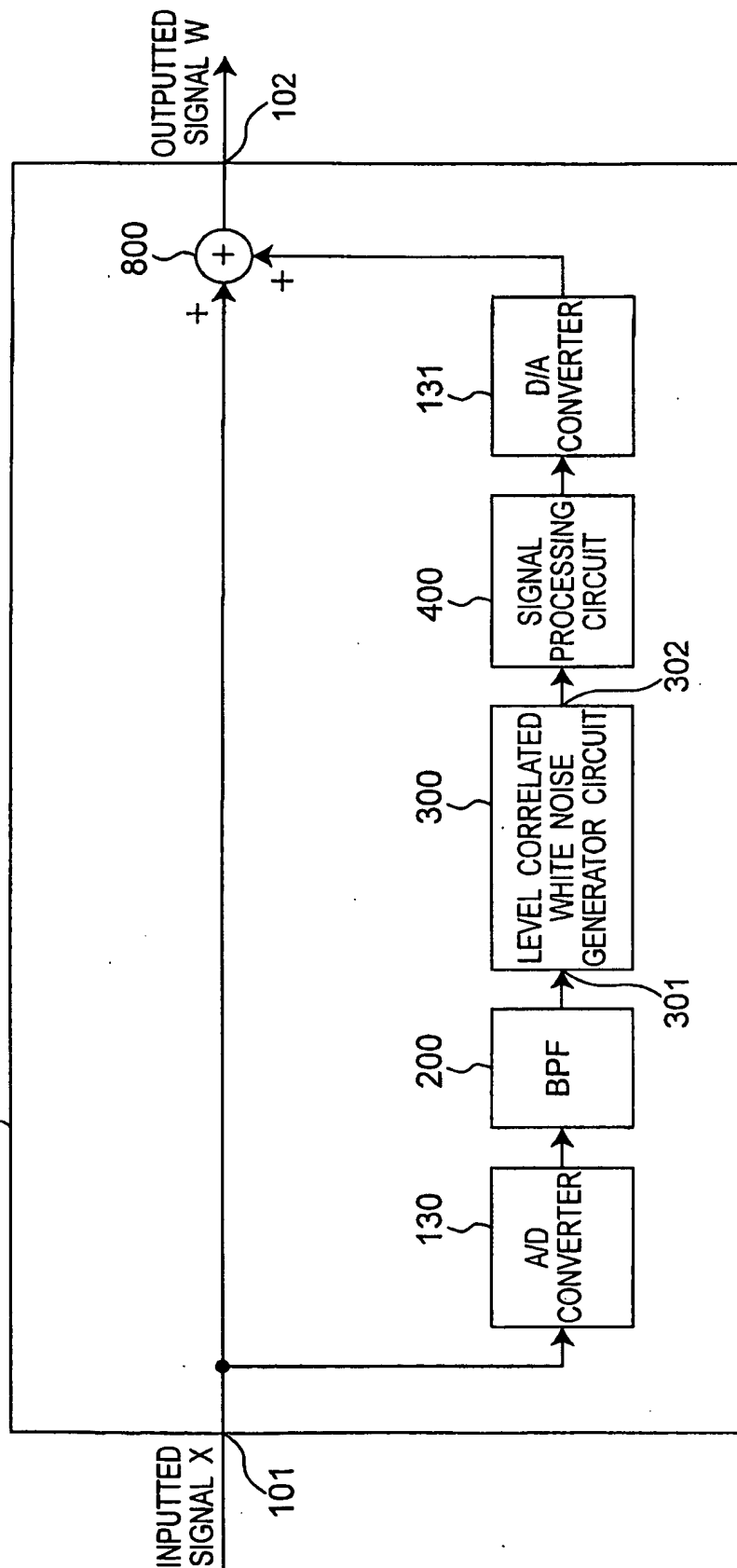


Fig.3

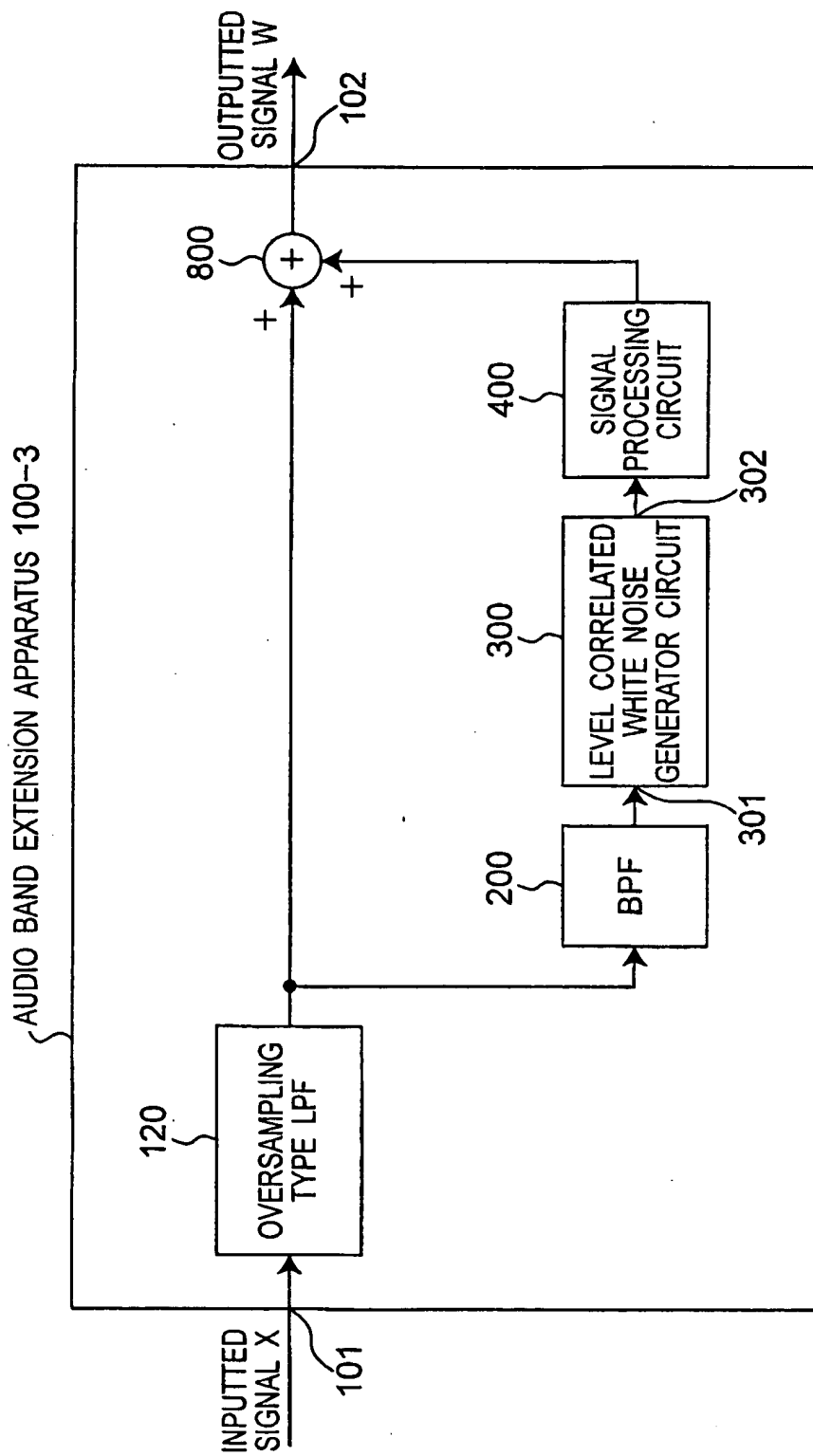
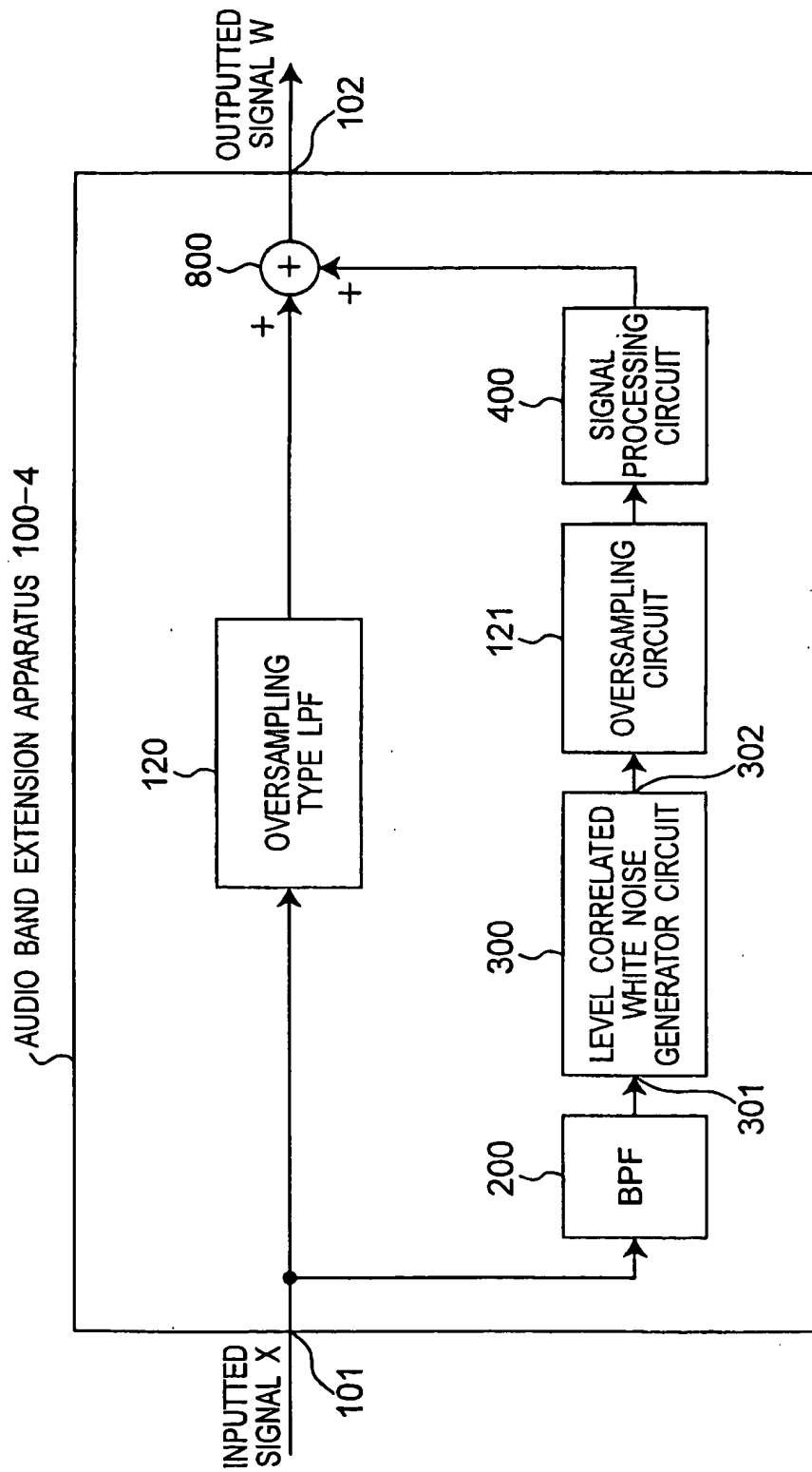


Fig.4



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Fig.5

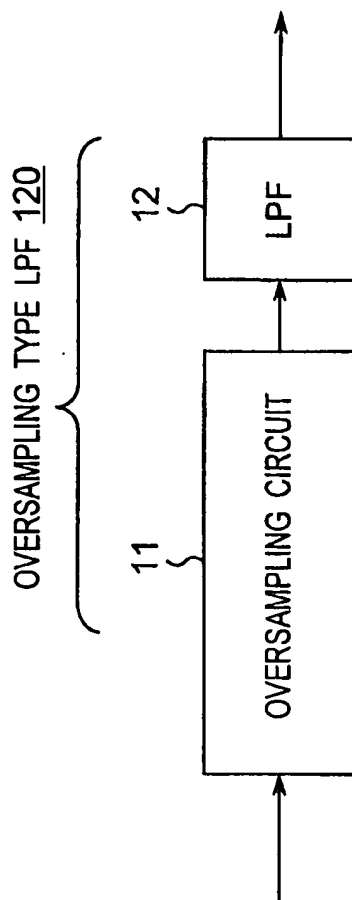


Fig.6

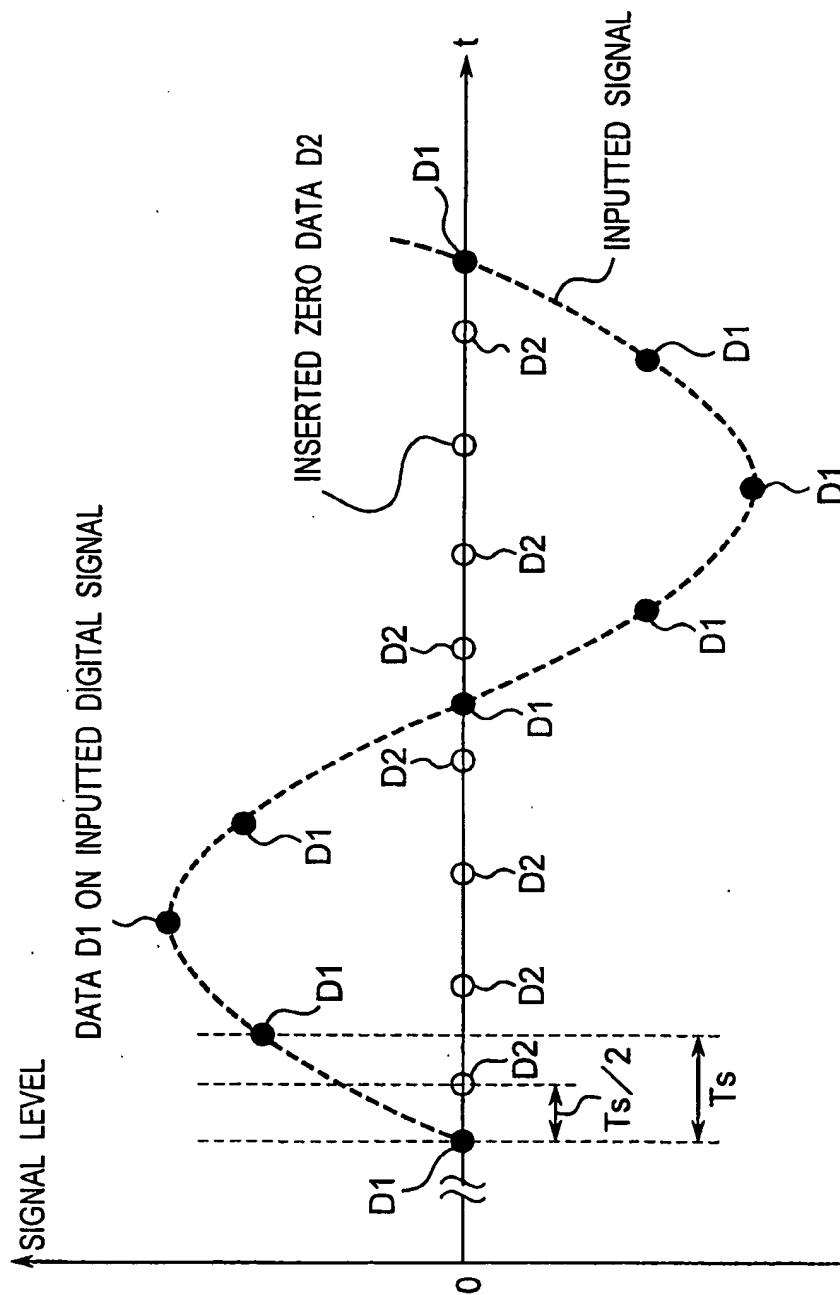
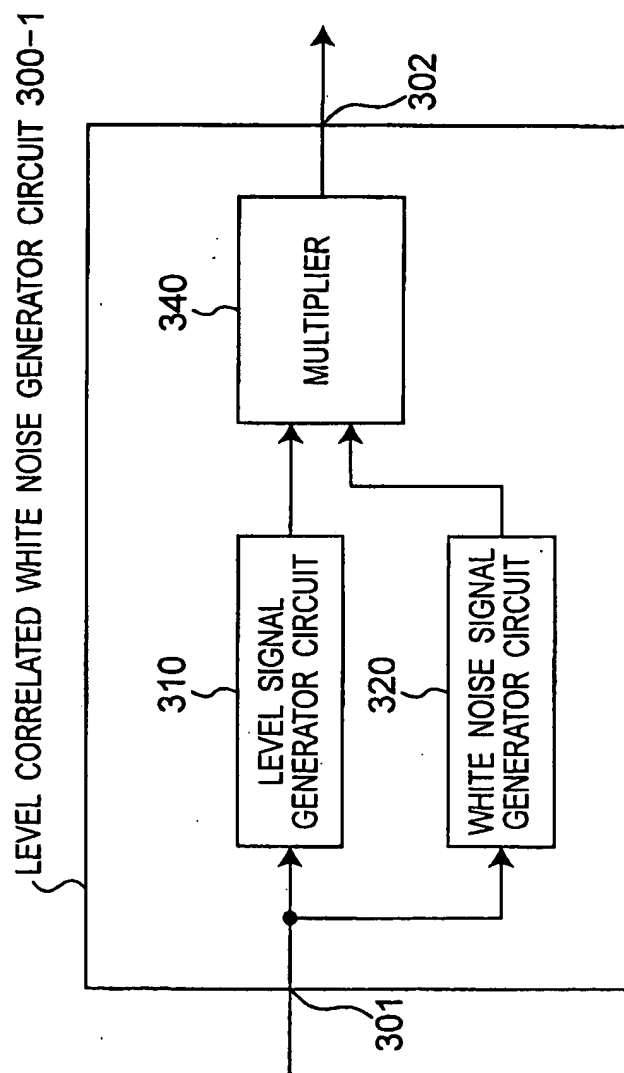


Fig.7



**Fig. 8**

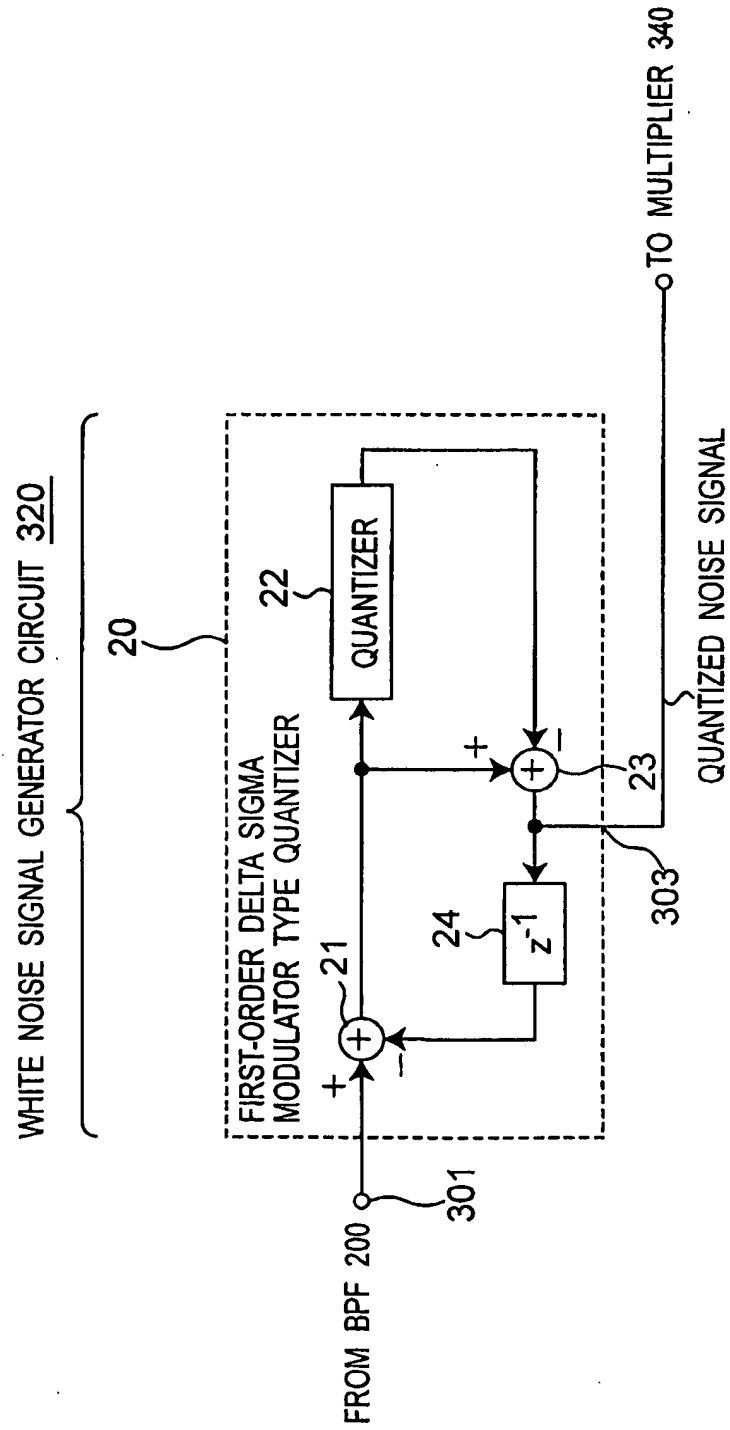
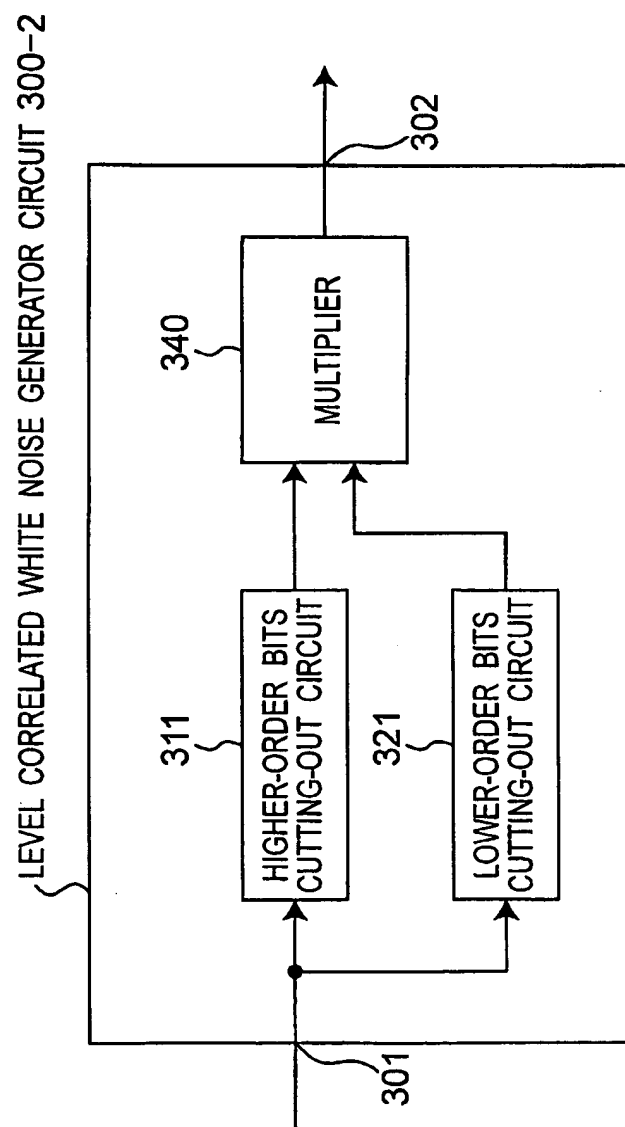




Fig. 9



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Fig.10

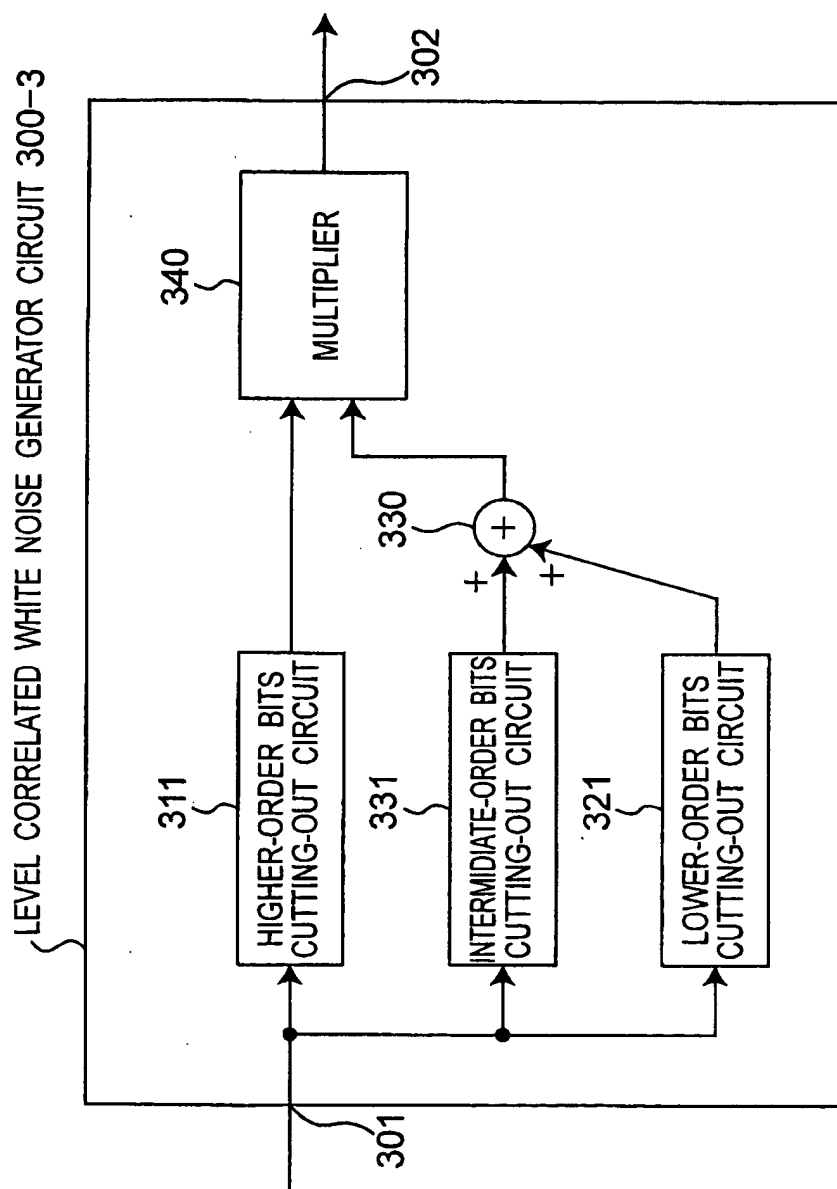
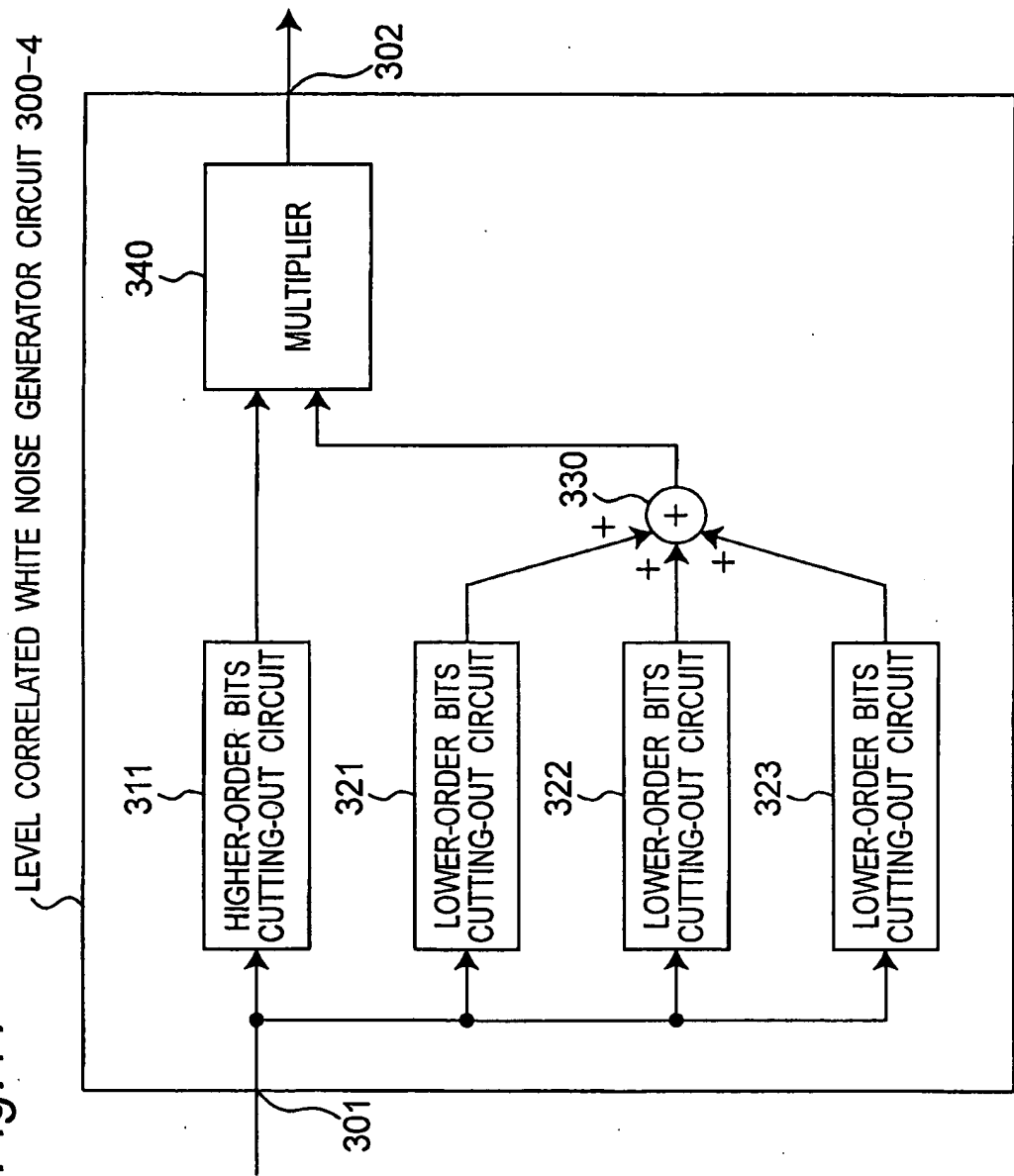


Fig. 11



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Fig. 12

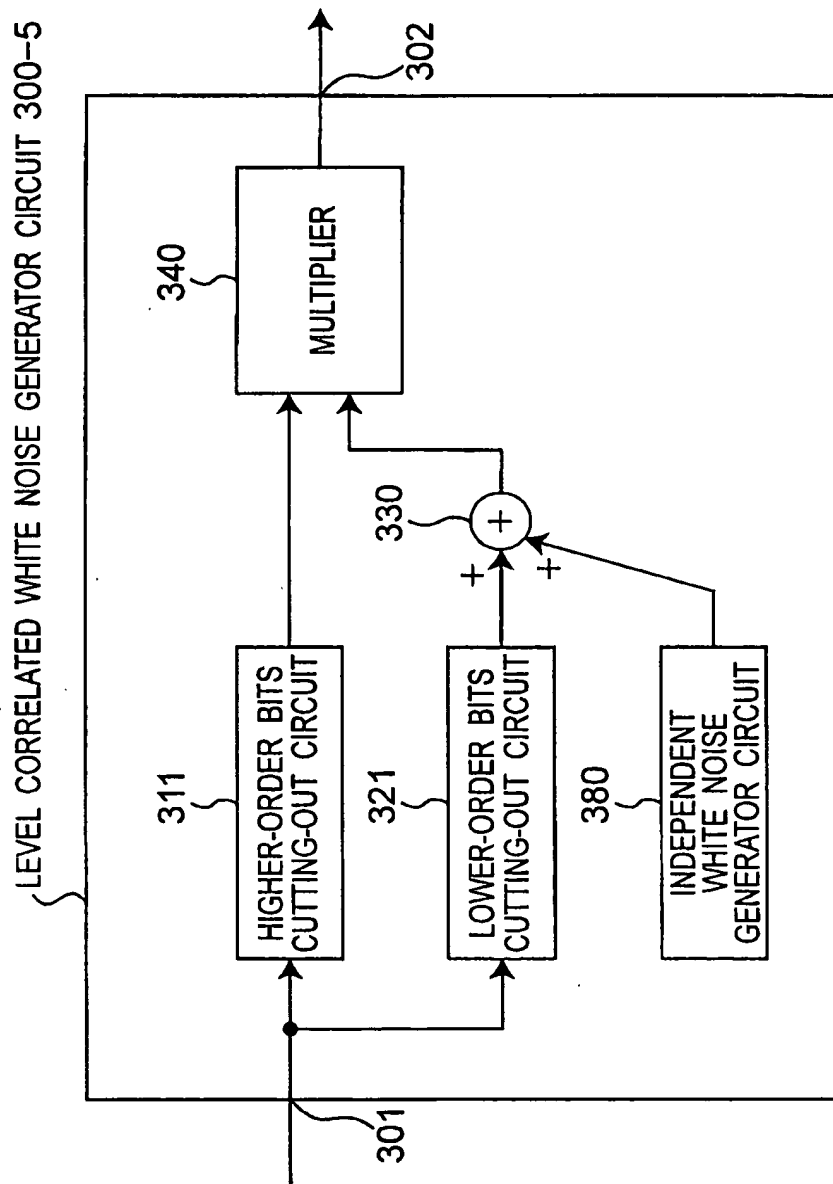
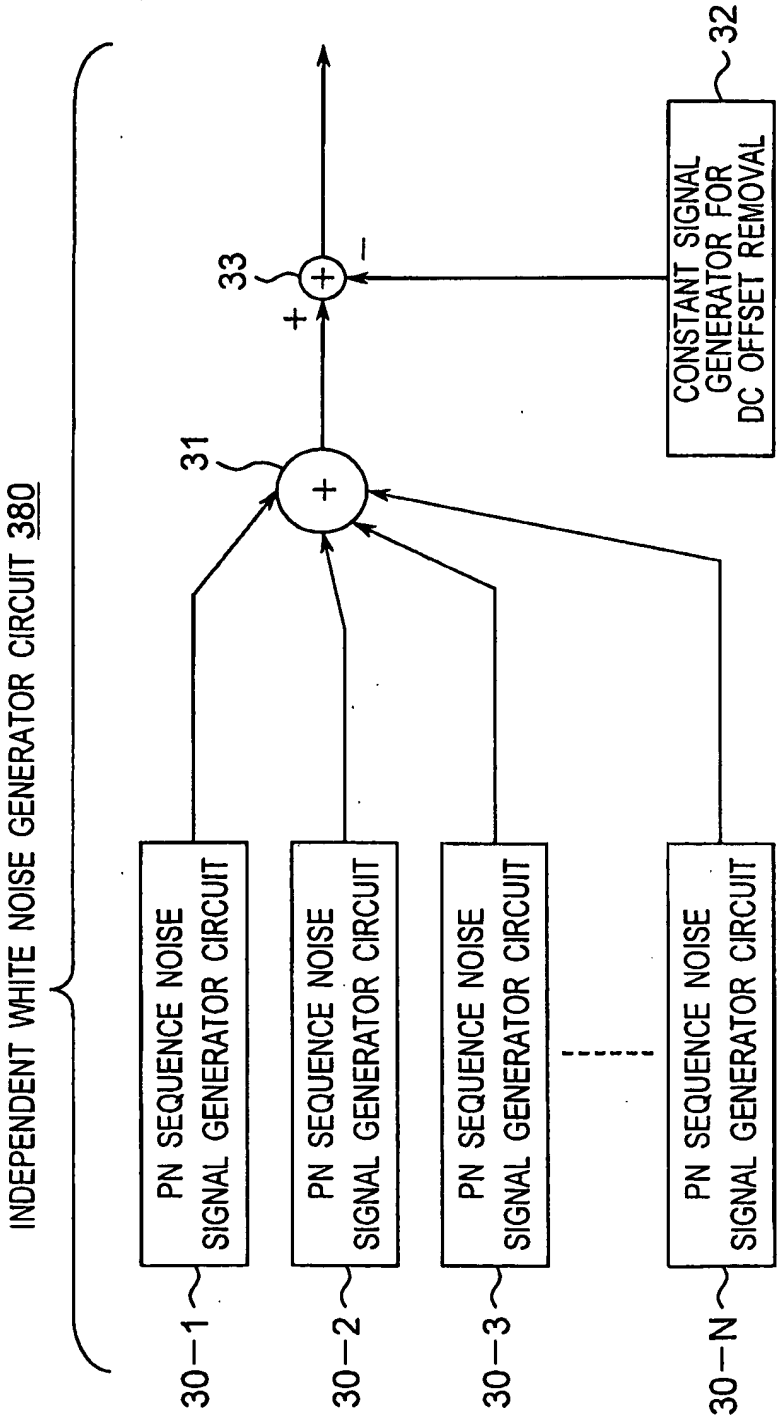


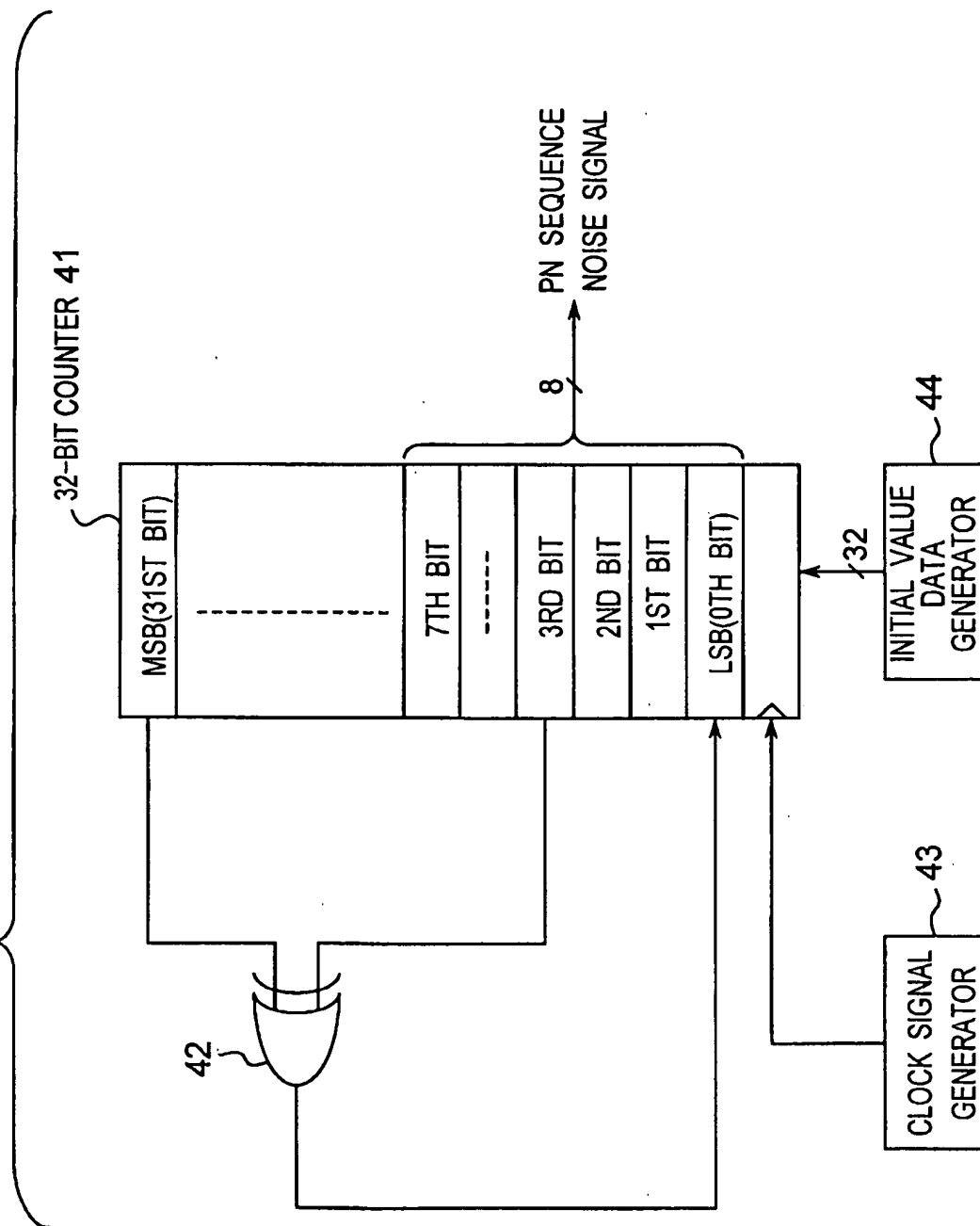
Fig.13



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Fig.14

PN SEQUENCE NOISE SIGNAL GENERATOR CIRCUIT 30—n



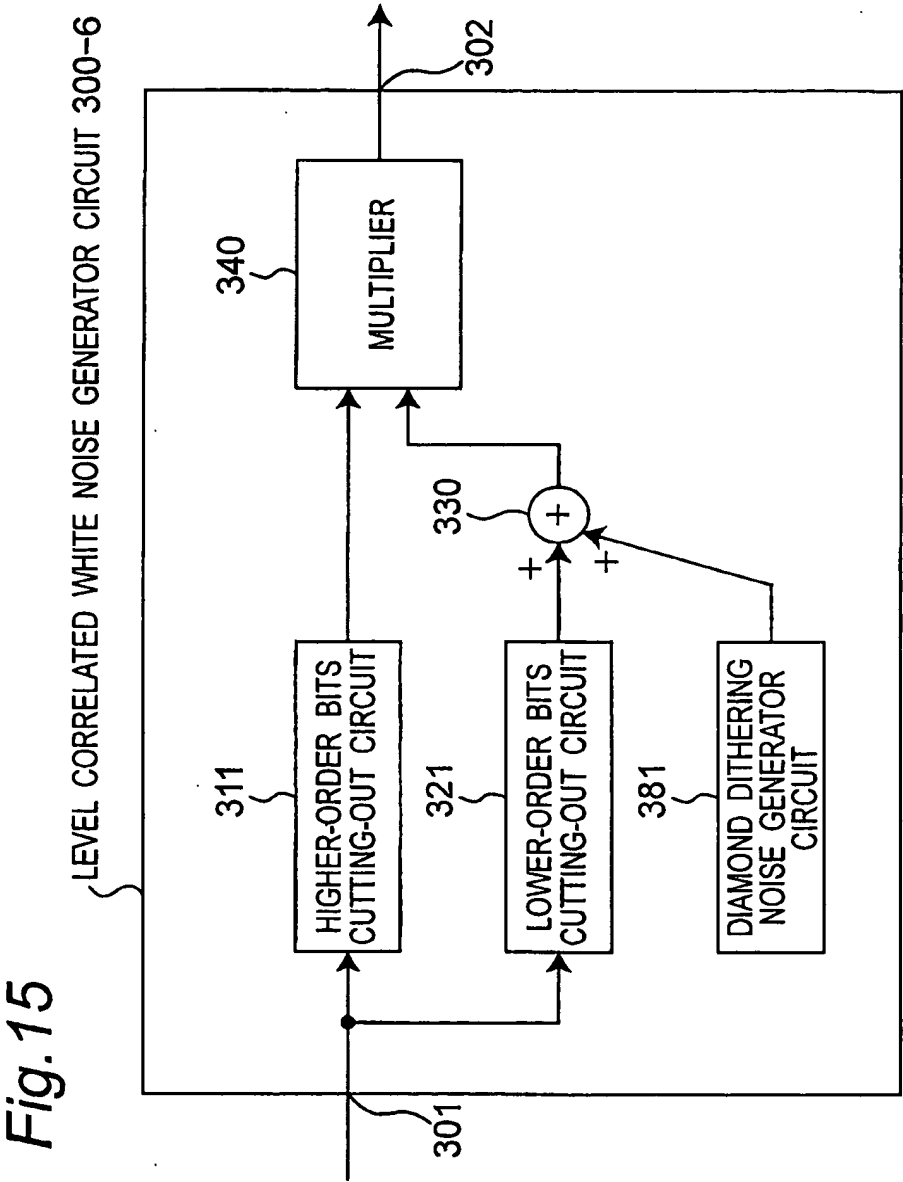


Fig. 16A

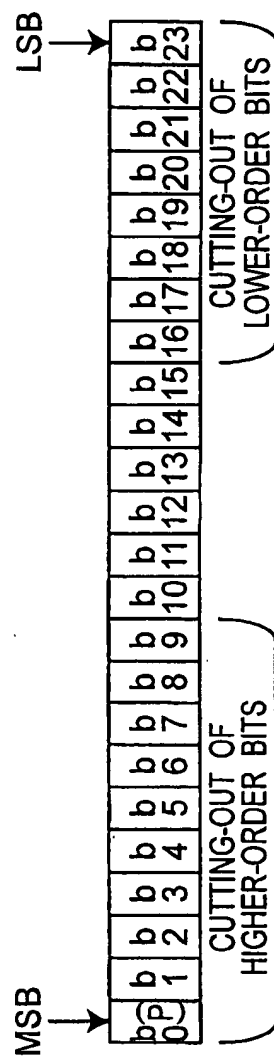


Fig. 16B

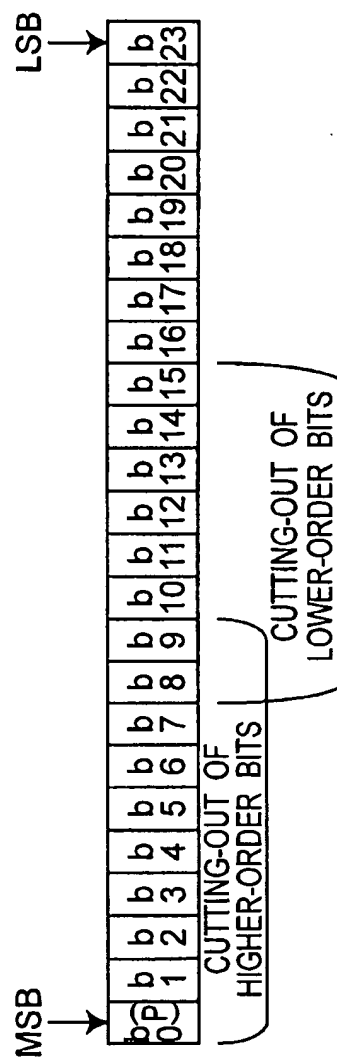




Fig. 17A

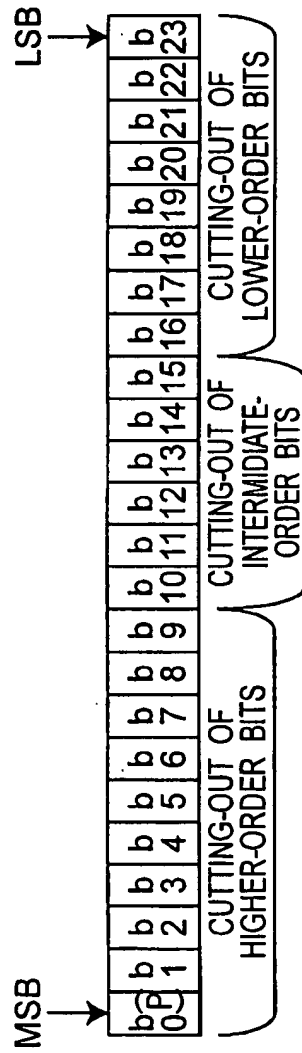
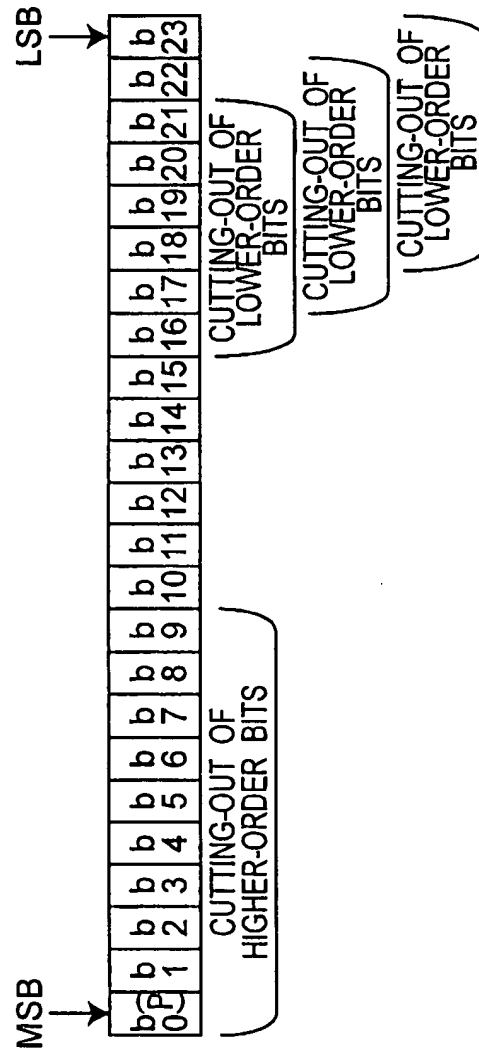


Fig. 17B



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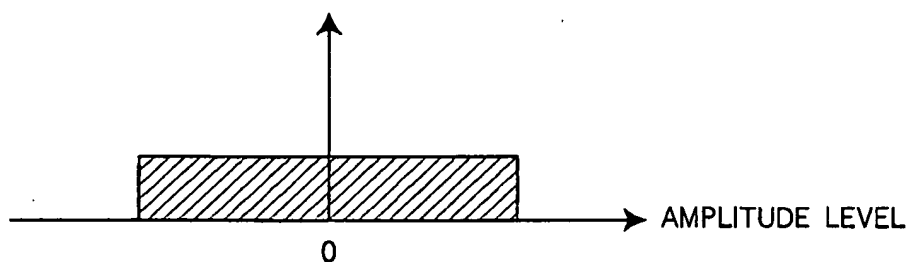
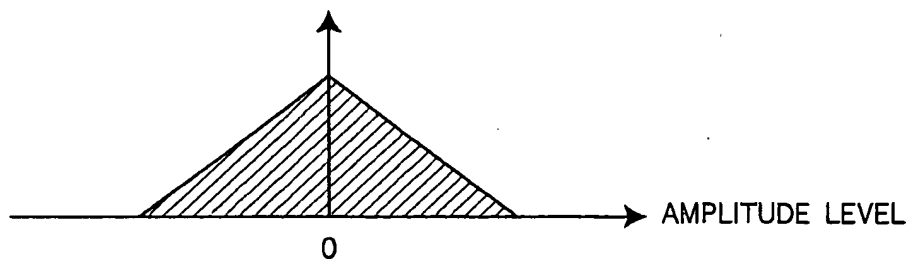
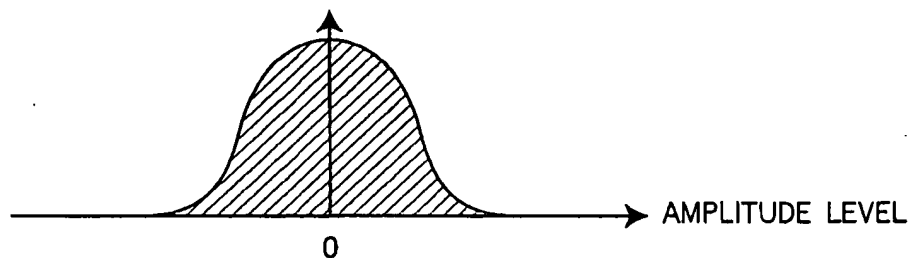
*Fig.18A*PROBABILITY DENSITY OF WHITE NOISE SIGNAL AT  $N=1$ *Fig.18B*PROBABILITY DENSITY OF DIAMOND NOISE SIGNAL AT  $N=2$ *Fig.18C*PROBABILITY DENSITY OF BELL NOISE SIGNAL AT  $N=3$ 

Fig.19

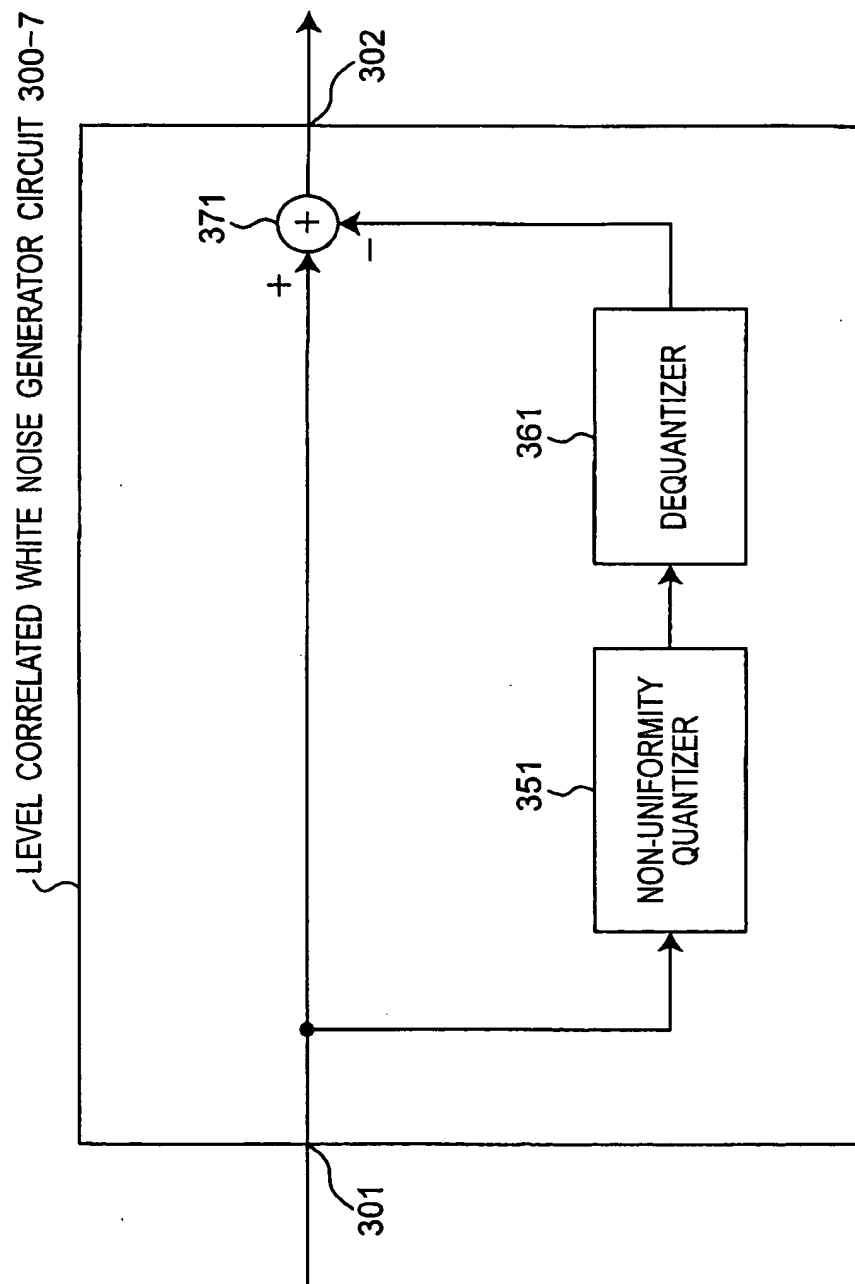
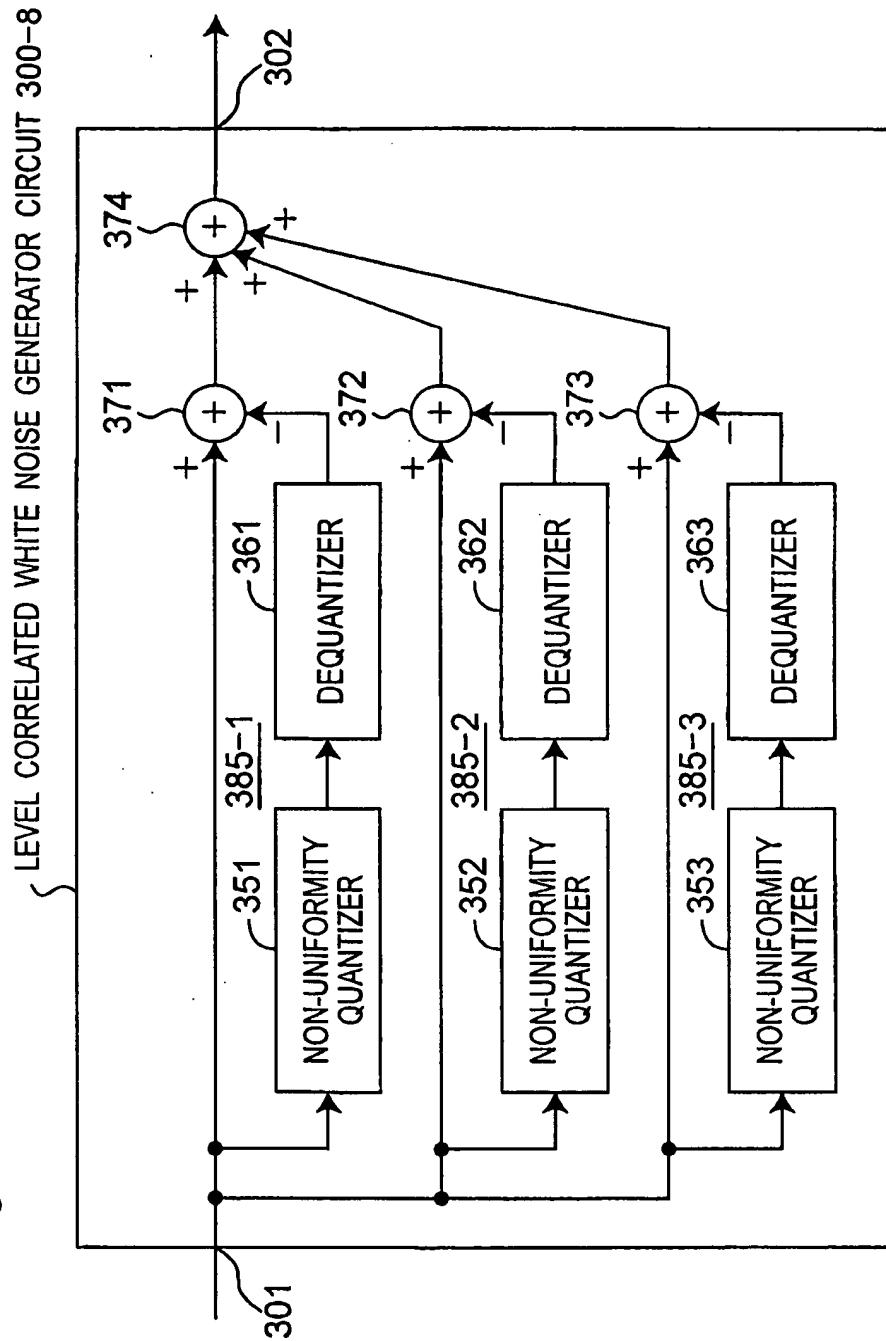
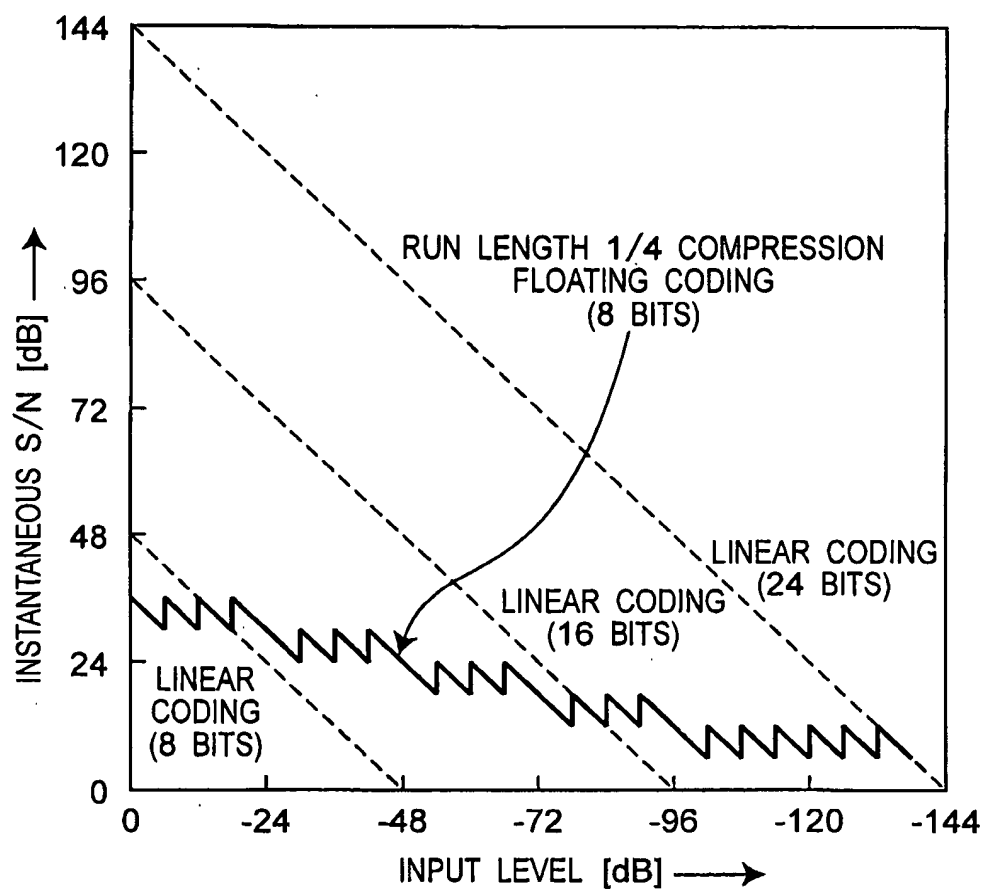


Fig. 20



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*Fig.21*

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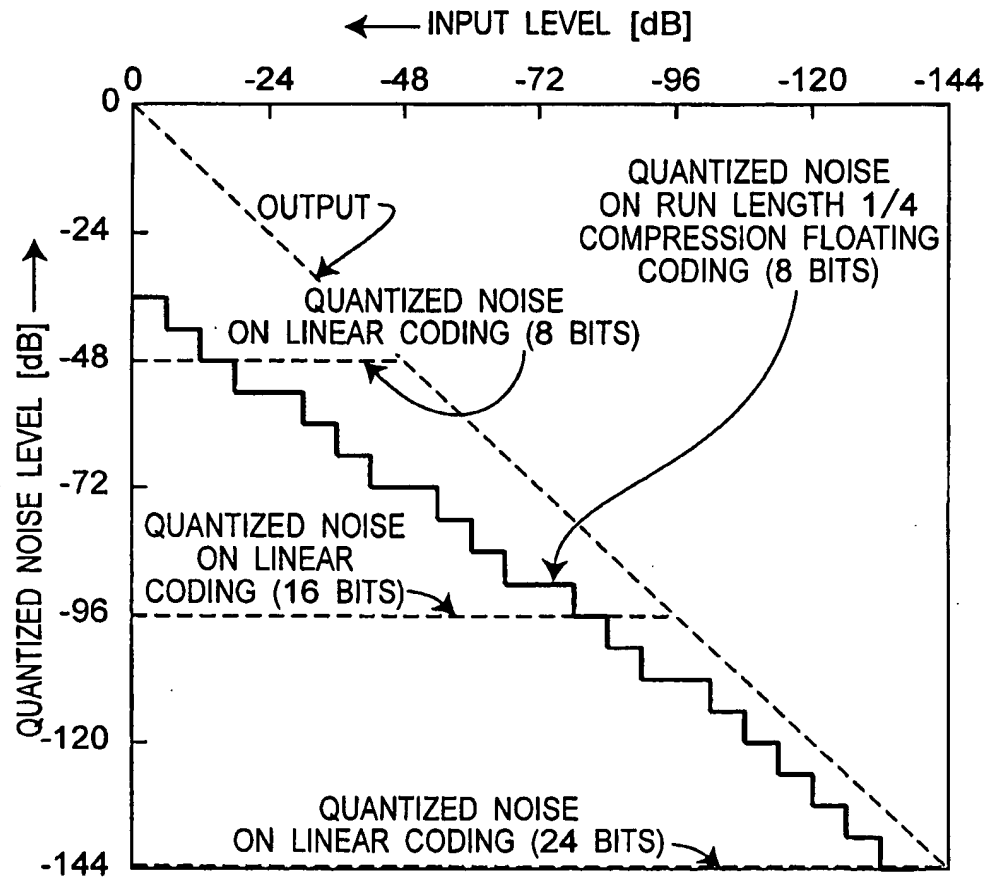
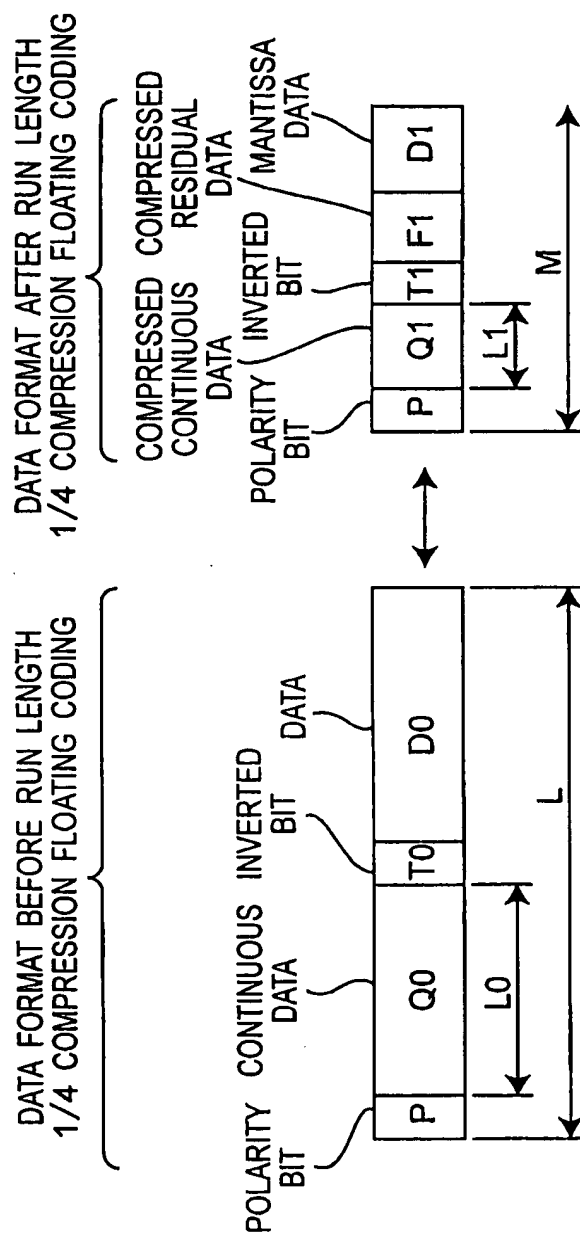
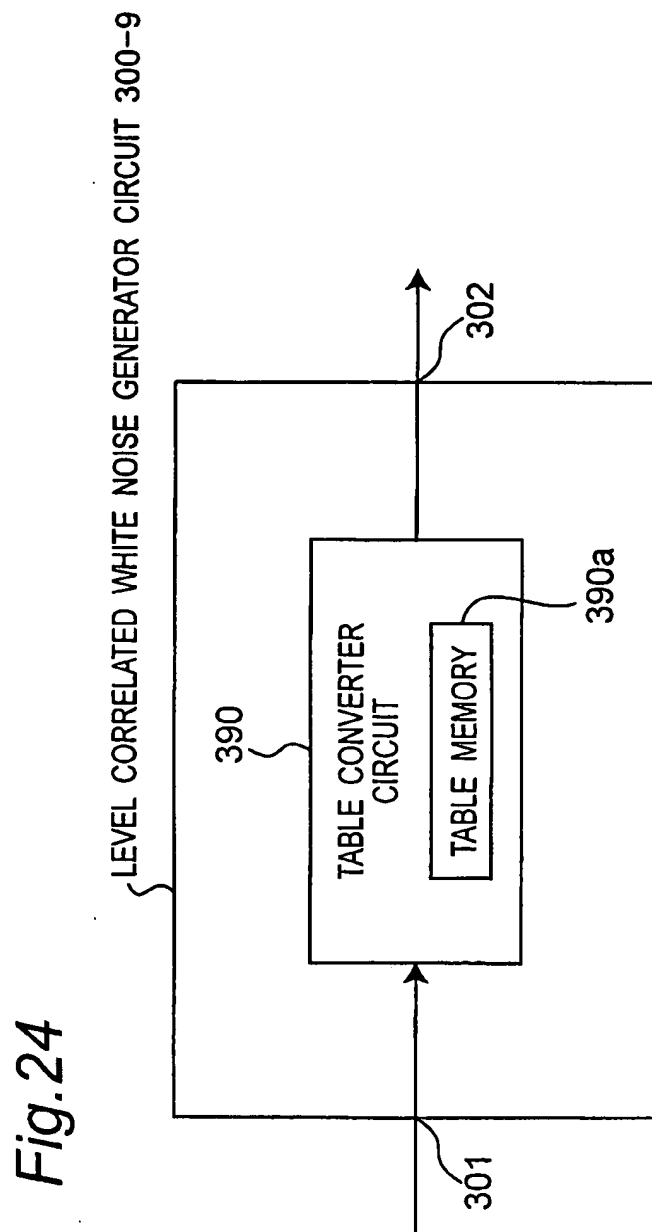
*Fig.22*

Fig.23A

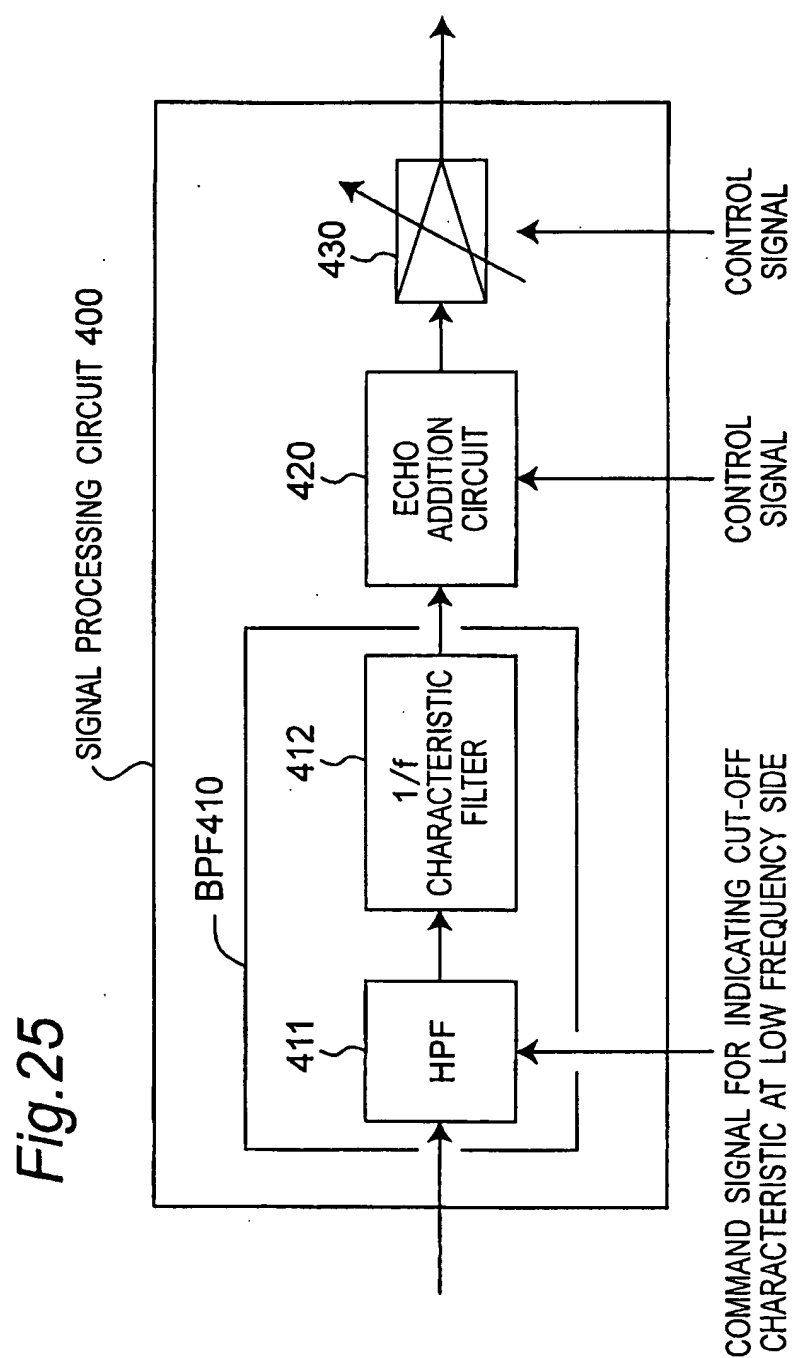
Fig.23B



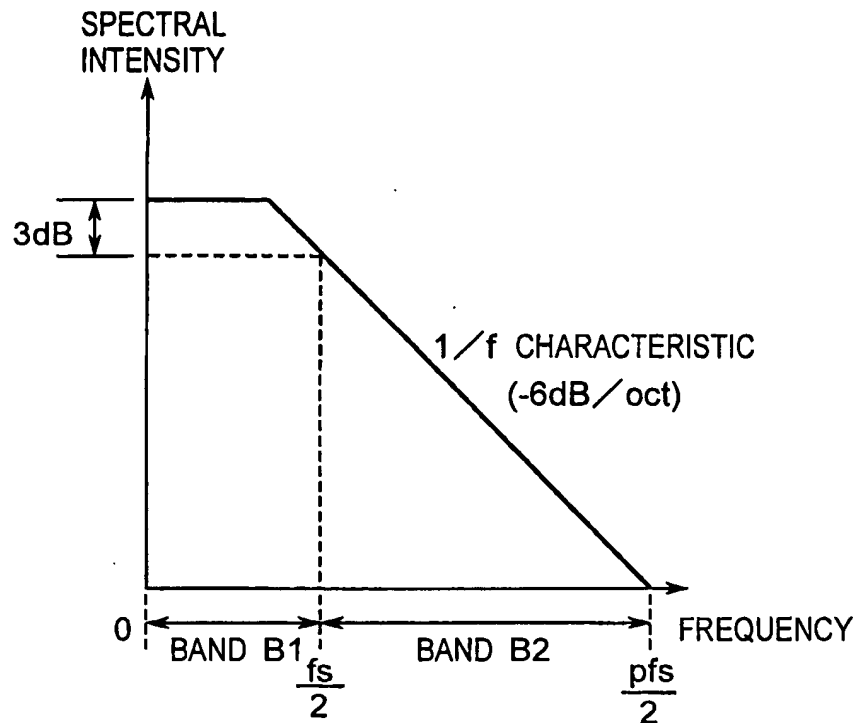
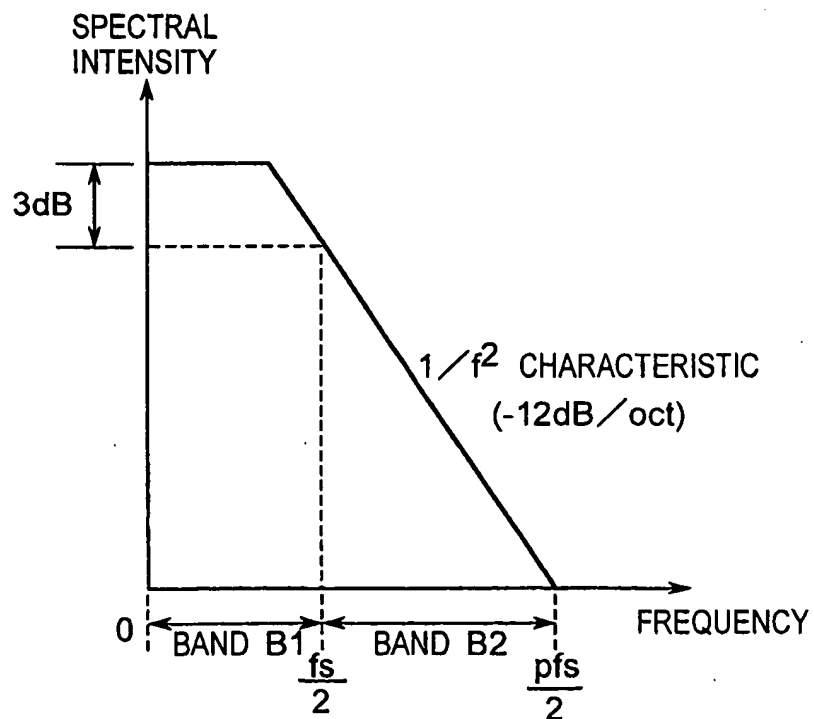


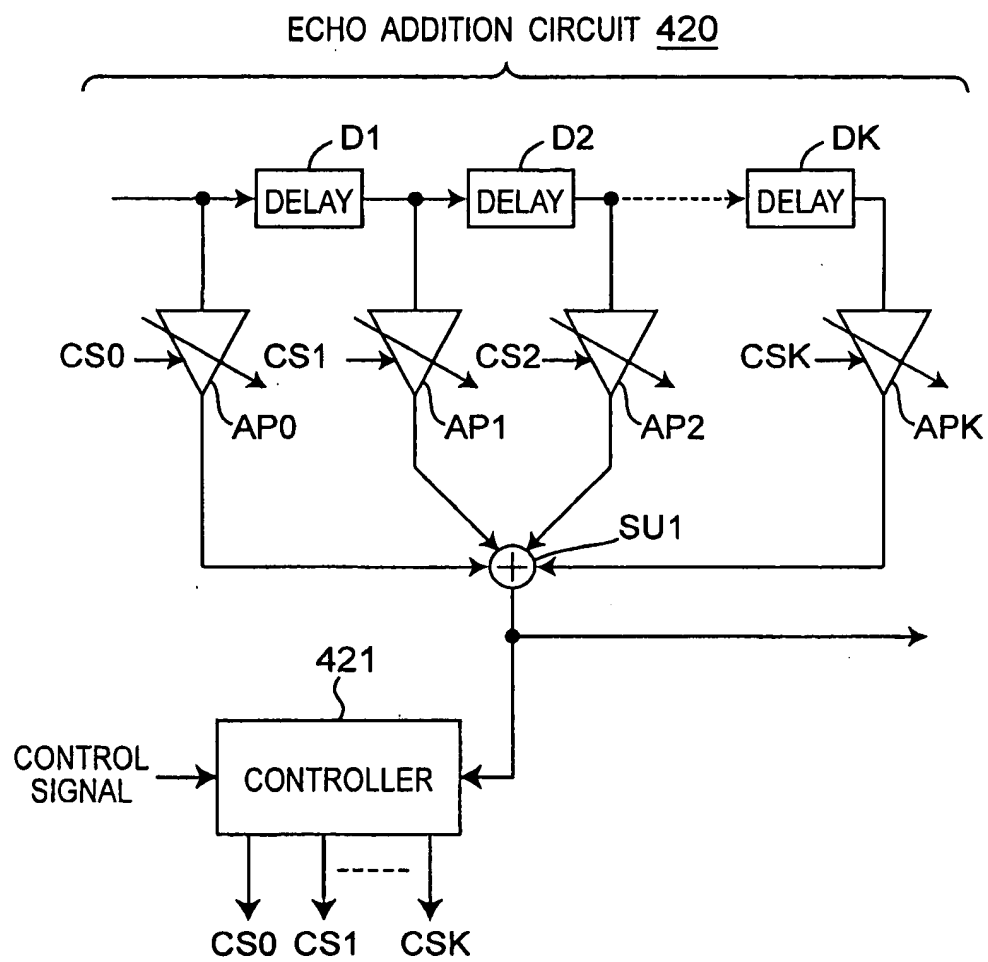


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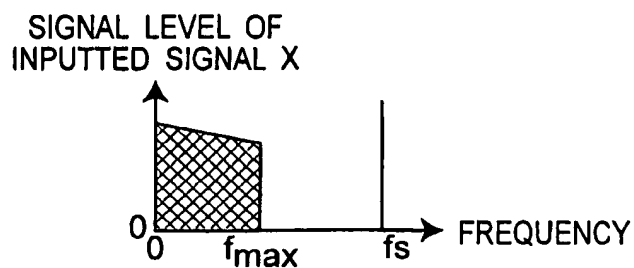
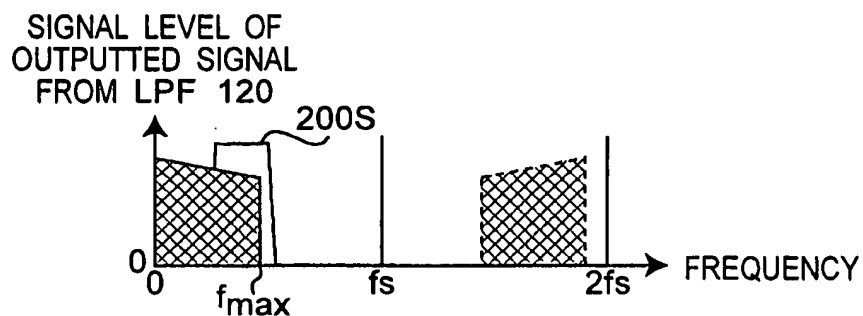
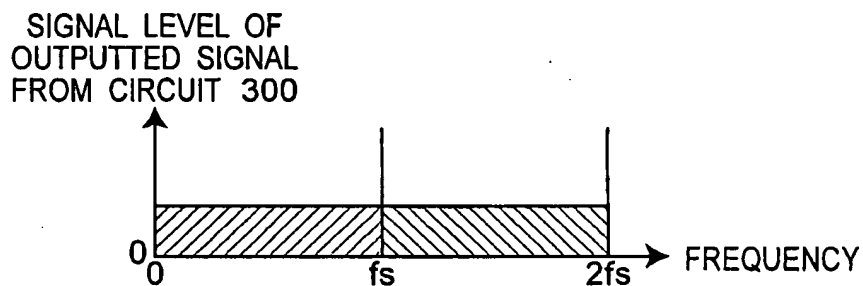
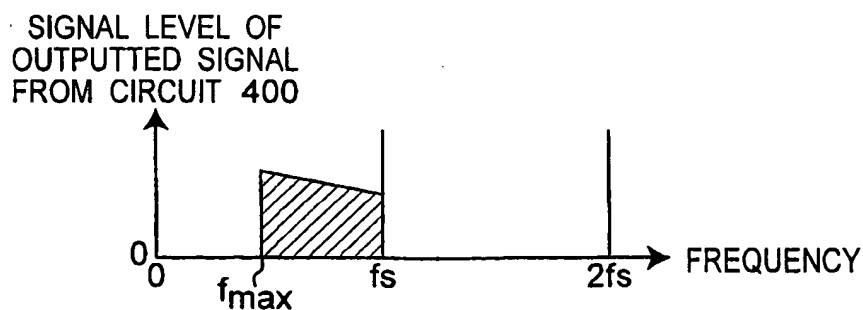
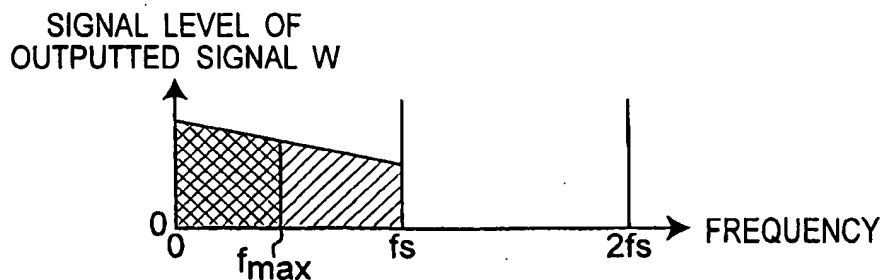


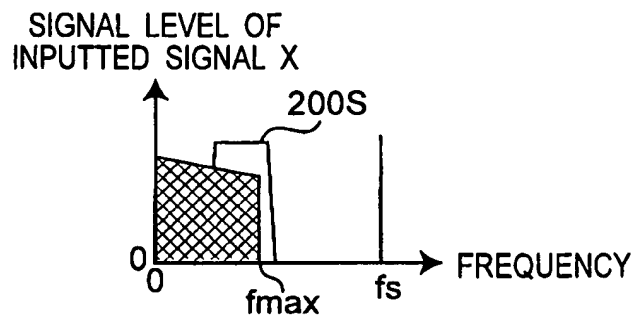
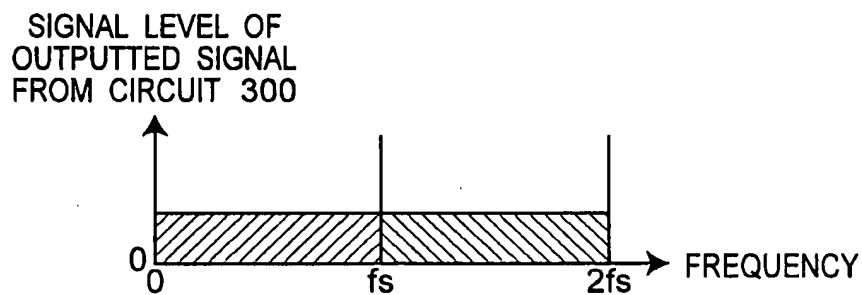
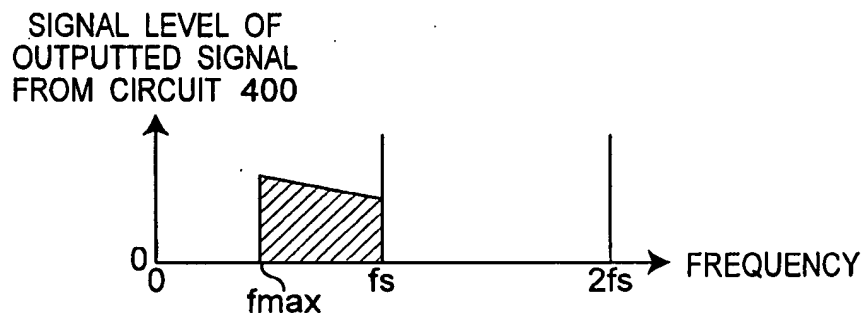
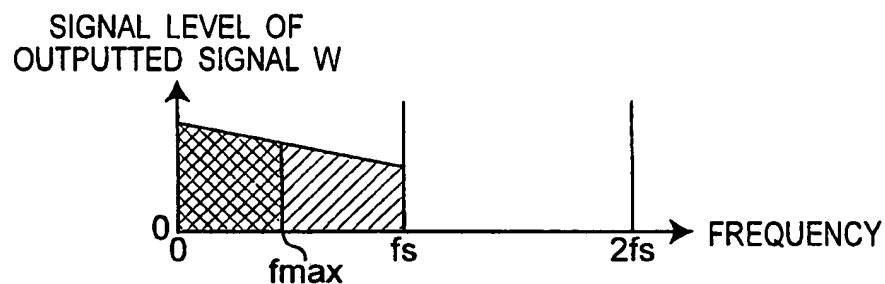
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*Fig.26**Fig.27*

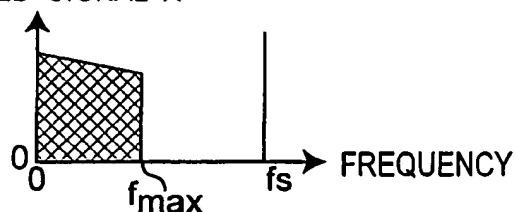
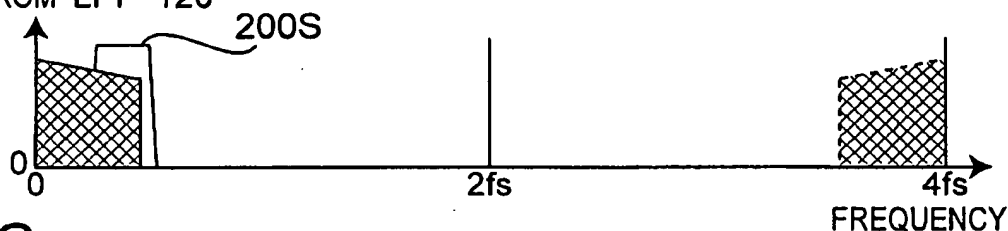
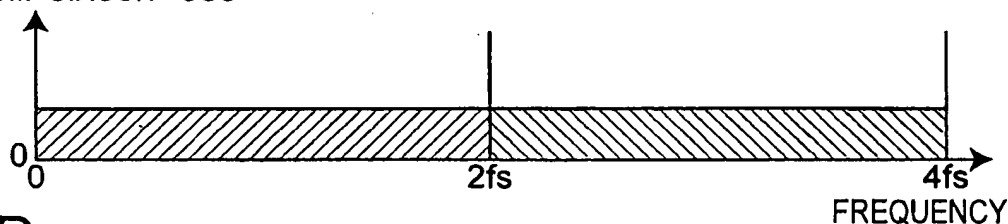
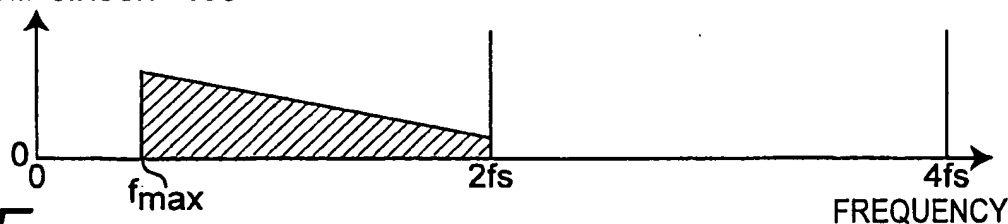
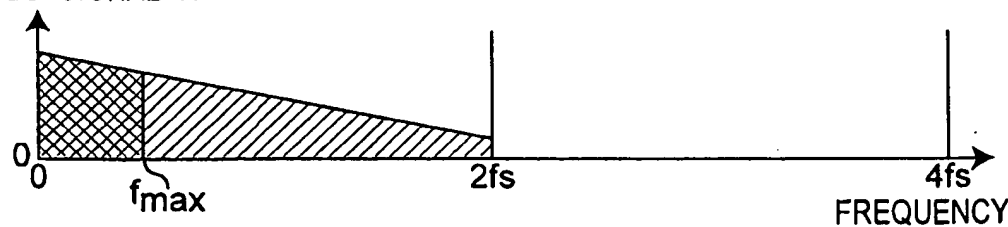
**Fig.28**

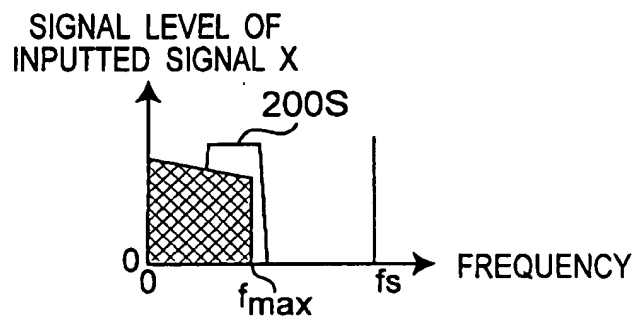
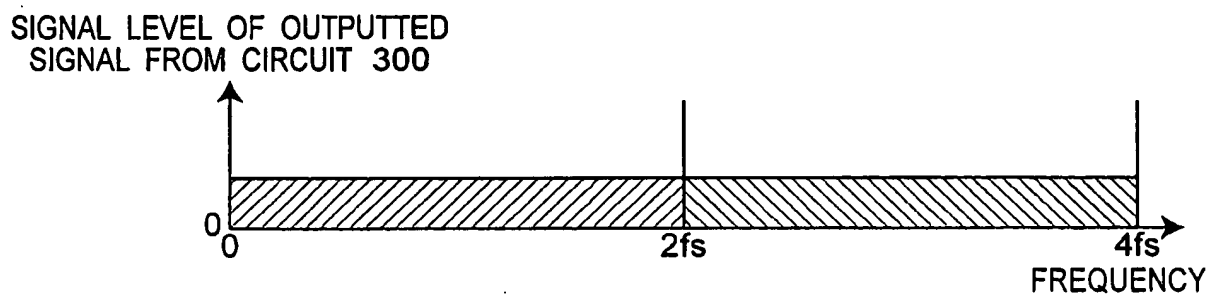
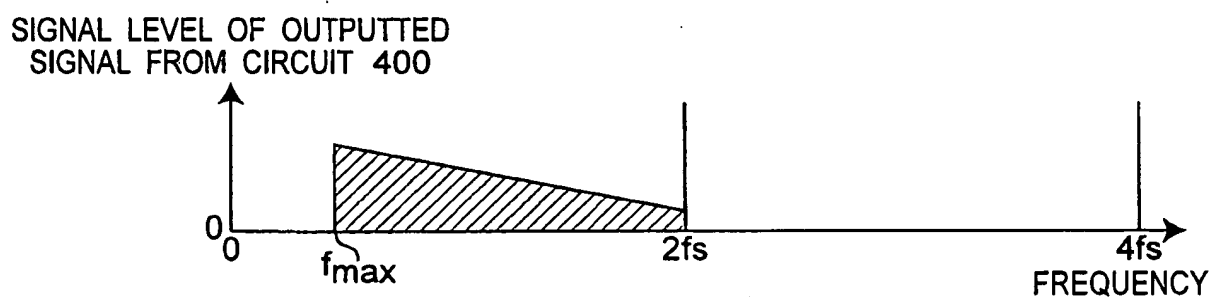
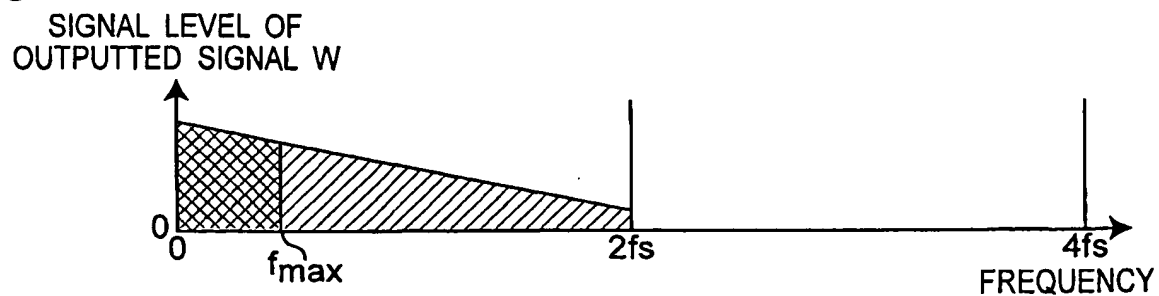
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*Fig.29A**Fig.29B**Fig.29C**Fig.29D**Fig.29E*

*Fig.30A**Fig.30B**Fig.30C**Fig.30D*

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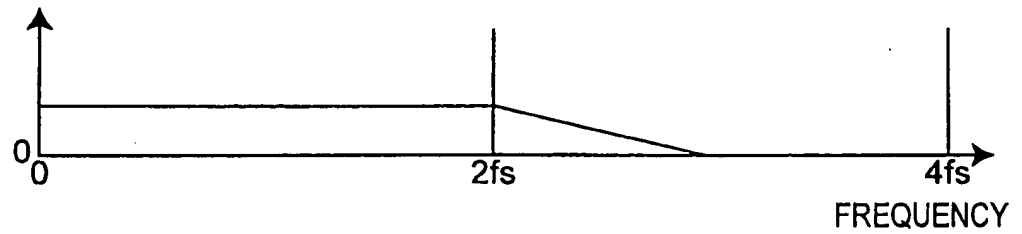
**Fig.31A**SIGNAL LEVEL OF  
INPUTTED SIGNAL X**Fig.31B**SIGNAL LEVEL OF OUTPUTTED  
SIGNAL FROM LPF 120**Fig.31C**SIGNAL LEVEL OF OUTPUTTED  
SIGNAL FROM CIRCUIT 300**Fig.31D**SIGNAL LEVEL OF OUTPUTTED  
SIGNAL FROM CIRCUIT 400**Fig.31E**SIGNAL LEVEL OF  
OUTPUTTED SIGNAL W

**Fig.32A****Fig.32B****Fig.32C****Fig.32D**

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*Fig.33A*

SIGNAL LEVEL  
IN CHARACTERISTIC  
OF ALIASING REMOVAL FILTER

*Fig.33B*

SIGNAL LEVEL OF  
OUTPUTTED SIGNAL W

